

MIC Susceptibility Profile of Bovine Pathogens Submitted to ISU VDL in 2006

	Ecoli K99 -	Ecoli K99 +	H som	M bov	M haem	P mul	P tre	S dubl	S new	S typh	S ugan
Number of Isolates	138	55	65	7	138	129	5	49	10	10	10
Antimicrobials*	Percent Susceptible***										
Ampicillin	20	5	100	100	72	97	0	8	10	30	0
Ceftiofur **	64	42	100	100	99	100	100	22	10	90	0
Chlortetracycline	96	84	100	4	14	100	0	10	40	20	0
Clindamycin	1	1	78	0	0	0	0	0	0	0	0
Danofloxacin**	94	83	94	35	72	100	100	100	20	100	100
Enrofloxacin**	96	83	94	35	73	100	100	100	20	100	100
Erythromycin	3	0	92	0	0	86	0	0	0	0	0
Florfenicol**	95	89	98	11	7	100	4	10	20	40	0
Gentamicin	89	88	40	49	60	100	94	90	100	90	10
Neomycin	48	51	8	9	21	100	29	50	20	80	30
Oxytetracycline	60	51	72	4	12	100	0	10	0	20	0
Penicillin	79	22	100	0	0	29	0	0	0	0	0
Sulphachlorpyridazine	52	96	89	5	8	100	10	0	100	10	0
Sulphadimethoxine	19	25	31	4	7	86	0	0	0	0	0
Sulphathiazole	31	20	29	5	12	86	0	0	0	20	0
Tilmicosin **	84	69	98	0	0	100	0	0	20	0	0
Trimethoprim/Sulfamethoxazole	71	90	95	25	39	86	78	80	80	90	90

Spectinomycin data - not listed due to changes in the panel concentrations this year.

Ecoli K99 - - E.coli, K99 negative
 Ecoli K99 + - E.coli, K99 positive
 H som - Histophilus somni
 M bov - Moraxella bovis
 M haem - Mannheimia haemolytica
 P mul - Pasteurella multocida

P tre - Pasteurella trehalosi
 S dubl - Salmonella dublin
 S new - Salmonella newport
 S typh - Salmonella typhimurium
 S ugan - Salmonella uganda

* In vitro antimicrobial test results do not represent therapeutic recommendations from the VDL or personnel therein. Extra/Off label usage of an antimicrobial which is limited/prohibited for certain species may result in legal action by FDA-CVM

** These are the only antimicrobials with valid breakpoints correlated with clinical outcome (respiratory diseases)

*** Percent of isolates with a susceptible MIC value